| L | Hits | Search Text | DB | Time stamp |
|----------------|----------|---|----------------------|-----------------------|
| Number | | | | |
| 15 | 1 | ("6307941").PN. | USPAT | 2004/07/06 16:01 |
| _ | 497 | (381/17).CCLS. | USPAT; | 2003/08/22 |
| |] | , , , - | EPO; JPO; | 12:25 |
| | | | DERWENT | |
| - | 9 | , , , , , , , , , , , , , , , | USPAT | 2003/08/20 |
| | | "5581618" "5666425" "5822438" | | 13:33 |
| | | "5946400" "6259795" "6307941").PN. | II.CD M | 2002/00/00 |
| - | 24 | ` · · - · | USPAT | 2003/08/20 |
| _ | 5 | delay) ("5438623" "5644640" "5822438" | USPAT | 2003/08/20 |
| | Ĭ | "5917916" "6243476").PN. | 052112 | 13:47 |
| _ | 30 | 5173944.URPN. | USPAT | 2003/08/20 |
| | | | | 13:53 |
| - | 37 | 5371799.URPN. | USPAT | 2003/08/20 |
| | 10 | | псращ | 13:54 |
| - | 18 | 5521981.URPN. | USPAT | 2003/08/20 13:56 |
| _ | 1 | (381/17).ccls. and HRTF and (near-ear) | USPAT | 2003/08/20 |
| | | | | 13:58 |
| - | 5 | | USPAT | 2003/08/20 |
| | | "5917916" "6243476").PN. | | 13:58 |
| - | 0 | central-research.AS. and near-ear | USPAT | 2004/06/29 |
| _ | 3 | research.AS. and near-ear | USPAT; | 15:33 2003/08/20 |
| - | | research.As. and hear car | EPO; JPO; | 14:13 |
| | | | DERWENT | . = - |
| - | 0 | 9737514.URPN. | USPAT | 2003/08/20 |
| | | , | | 14:02 |
| - | 11 | research.AS. and HRTF | USPAT; | 2003/08/27 |
| | | | EPO; JPO; DERWENT | 08:55 |
| _ | 12 | sibbald.in. and HRTF | USPAT; | 2003/08/21 |
| | 1 | | EPO; JPO; | 16:00 |
| ļ | | | DERWENT | |
| - | 1 | (381/17).ccls. and STCF | USPAT; | 2003/08/20 |
| | | | EPO; JPO; | 14:36 |
| _ | 18 | 5500900.URPN. | DERWENT USPAT | 2003/08/20 |
| | | 3300300.ORIN. | 051111 | 14:29 |
| _ | _3 | (381/17).ccls. and near-field | USPAT; | 2003/08/20 |
| 1 | , | | EPO; JPO; | 14:33 |
| | _ | (201/17) | DERWENT | 2002/00/00 |
| - | 2 | (381/17).ccls. and far-field | USPAT; EPO; JPO; | 2003/08/20 |
| | | | DERWENT | 11.33 |
| _ | 2 | research.AS. and (ear adj2 gain) | USPAT; | 2003/08/20 |
| 1 | | | EPO; JPO; | 14:34 |
| | | | DERWENT | |
| - | 2 | research.AS. and HRTF and gain | USPAT; | 2003/08/21 |
| | | | EPO; JPO; DERWENT | 16:09 |
| _ | 5 | (381/17).ccls. and inter-aural | USPAT; | 2003/08/26 |
| | | 1,, | EPO; JPO; | 14:22 |
| | 1 | | DERWENT | |
| - | 0 | ("5105462" "5371799" "5467401" | USPAT | 2003/08/20 |
| | | "5581618" "5666425" "5822438" "5946400" "6259795" "6307941").PN. | | 14:36 |
| _ | 9 | | USPAT | 2003/08/20 |
| [| | "5581618" "5666425" "5822438" | | 14:37 |
| | | "5946400" "6259795" "6307941").PN. | | |
| - | 146 | hrtf | USPAT; | 2003/08/20 |
| 1 | | | EPO; JPO; | 14:54 |
| <u> </u> | | ("4748669" "5438623" "5930733" | DERWENT USPAT | 2003/08/20 |
| i ⁻ |] | "5970153" "6067361").PN. | OSFAI | 14:47 |
| - | 0 | EP-06897560-\$.did. | USPAT; | 2003/08/20 |
| | 1 | | EPO; JPO; | 14:54 |
| | <u> </u> | | DERWENT | |

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|--------------|-------------|---|--------------|---------------------|
| - | 0 | EP-0689756-\$.did. | USPAT; | 2003/08/20 |
| | | · | EPO; JPO; | 14:54 |
| 1 | | | DERWENT | |
| 1 | 2 | EP-689756-\$.did. | USPAT; | 2003/08/20 |
| | | EF-009/30-Q. QIQ. | · · | 15:34 |
| | | | EPO; JPO; | 15:34 |
| | _ | _ | DERWENT | |
| - | 9 | sony.AS. and HRTF | USPAT; | 2003/08/20 |
| | | | EPO; JPO; | 16:05 |
| | | | DERWENT | |
| _ | 30 | sony.AS. and near-field | USPAT; | 2003/08/20 |
| 1 | | bony.nb. and near rich | EPO; JPO; | 16:05 |
| | | | | 10.03 |
| | _ | , | DERWENT | |
| - | 7 | (381/17).ccls. and (right near2 gain) | USPAT; | 2003/08/20 |
| | | | EPO; JPO; | 16:07 |
| | | | DERWENT | İ |
| _ | l o | ("(computernear2storagenear2medium)same(au | dvsmamr4prod | e2s0s0333/0'8/.2PN. |
| | _ | , , , <u>,</u> | EPO; JPO; | 09:24 |
| | | | | 03.24 |
| | 1.0 | | DERWENT | 0000/00/01 |
| - | 12 | (computer near2 storage near2 medium) | USPAT; | 2003/08/21 |
| | | same (audio near4 process\$3) | EPO; JPO; | 09:28 |
| į l | | | DERWENT | |
| _ | l o | (single adj2 channel near2 process\$3) | USPAT; | 2003/08/21 |
| | | same (computer adj2 program) | EPO; JPO; | 09:29 |
|] | | | | 05.25 |
| 1 | | | DERWENT | 1 |
| - | 75 | (audio near2 process\$3) same (computer | USPAT; | 2003/08/21 |
| | | adj2 program) | EPO; JPO; | 09:39 |
| | | - | DERWENT |] |
|] _ | 31 | (audio near2 process\$3) same (computer | USPAT; | 2003/08/21 |
| | " | | EPO; JPO; | 09:40 |
| | | adj2 medium) | | 09.30 |
| | _ | | DERWENT | / |
| - | 6 | | USPAT; | 2003/08/21 |
| | | medium) | EPO; JPO; | 10:19 |
| 1 | | | DERWENT | |
| | 5 | ("5414774" "5748513" "5761315" | USPAT | 2003/08/21 |
| | | "5974153" "6009179").PN. | | 09:43 |
| | 1 | | IICDAM - | |
| - | 15 | (381/17).ccls. and (computer adj2 | USPAT; | 2003/08/21 |
| | | program) | EPO; JPO; | 10:23 |
| | | | DERWENT | |
| - | 7 | (381/17).ccls. and (look-up near2 table) | USPAT; | 2003/08/21 |
| | · | (,,,, (| EPO; JPO; | 10:24 |
| | | | DERWENT | 10.21 |
| | 19 | /201/17)1 | | 2003/08/21 |
| - | 19 | , , , , | USPAT; | |
| | | signal) | EPO; JPO; | 11:37 |
| | | | DERWENT | |
| | 2 | WO-9737514-\$.did. | USPAT; | 2003/08/21 |
| | | · | | 11:38 |
| | | | DERWENT | |
| l _ | 0 | ("(process\$3near2singlenear2channel)").PN. | | 2003/08/21 |
|] - | ا | ((processyshearzsingrenearzchanner) ").PN. | USPAT; | |
| | | | EPO; JPO; | 12:30 |
| | | | DERWENT | 1 |
| - | 17 | process\$3 near2 single near2 channel | USPAT; | 2003/08/21 |
| | | near2 audio | EPO; JPO; | 12:43 |
| | | - | DERWENT | |
| l _ | 34 | 5208860.URPN. | USPAT | 2003/08/21 |
| - | 34 | SZUOOGU.URPN. | USPAT | |
| | | | | 12:35 |
| - | 3 | 5682433.URPN. | USPAT | 2003/08/21 |
| | | | | 12:37 |
| - | 3 | 5682433.URPN. | USPAT | 2003/08/21 |
| | | | | 12:38 |
| _ | 641 | (369/61,86,97).CCLS. | IICDATI. | 2003/08/21 |
| - | 041 | (202/01,00,2/).ССДЗ. | USPAT; | |
| | | | US-PGPUB; | 12:51 |
| | | | EPO; JPO | [[|
| - | 0 | (369/61,86,97).ccls. and HRTF | USPAT | 2003/08/21 |
| | <u> </u> | | | 12:45 |
| _ | 0 | (369/61,86,97).ccls. and HRTF | USPAT; | 2003/08/21 |
| | l ° | (303) 01/00/37/.0013. and natr | 1 | 12:45 |
| | | (260/61 96 97)1 | EPO; JPO | |
| - | 2 | (369/61,86,97).ccls. and (head adj2 | USPAT; | 2003/08/21 |
| | 1 | response) | US-PGPUB; | 12:45 |
| | | | EPO; JPO | |
| - | 12 | 4393489.URPN. | USPAT | 2003/08/21 |
| | I | | | 12:48 |
| L | | I | | 1 |

| 401 381/61).CCLS. | | | | | |
|---|-----|------|--|---------------------------------------|------------|
| 351 381/61).CCLS. Speudo near2 process\$3 Same HRTF Spoy JPO 1030/88/21 1230/88/21 1236/81 | _ | 401 | (381/61).CCLS. | USPAT; | 2003/08/21 |
| - 351 (381/61).ccls. SSAMP. CSSAMP. CSSA | | | | US-PGPUB; | 12:51 |
| 351 (381/61).CCLS. Dasudo near2 process\$3 Same HRTF Day | | • | | EPO; JPO | |
| 1909 pseudo near2 process\$3 same HRTF EPO; JPO 13:08 2003/08/21 2003/ | _ | 351 | (381/61) CCLS | | 2003/08/21 |
| 1909 | _ | 331 | (301/01/.0025. | · · | |
| Property | | 1000 | manuda manuda magagagès | | |
| O | - | 1909 | pseudo nearz processas | • | |
| Property | | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | |
| Computer adj2 process\$3] same (head adj2 process\$3] same (storage process\$4] process\$4 | - | 0 | (pseudo near2 process\$3) same HRTF | · · | |
| response adj2 medium process\$3 same (storage adj2 medium) process\$3 near2 process\$3 same (storage adj2 medium) process\$3 near2 single near2 channel process\$3 process\$4 process\$ | | | | EPO; JPO | 12:56 |
| response adj2 medium process\$3 same (storage adj2 medium) process\$3 near2 process\$3 same (storage adj2 medium) process\$3 near2 single near2 channel process\$3 process\$4 process\$ | _ | l 0 | (pseudo near2 process\$3) same (head adj2 | USPAT; | 2003/08/21 |
| Topic Computer adj2 medium Process Computer adj2 medium Process | | _ | | EPO: JPO | |
| adj2 medium process\$3 near2 single near2 channel EPO; JPO 12:57 12:59 12:5 | | 7 | (necodo near? processes) same (storage | · · · · · · · · · · · · · · · · · · · | |
| - 677 process33 near2 single near2 channel | - | , | | | |
| - 0 (computer adj2 program) same HRTF EPO; JFO; JEO; JEO; JEO; JEO; JEO; JEO; JEO; JE | | | | | |
| Computer adj2 program) same HRTF | - | 677 | process\$3 near2 single near2 channel | | |
| Computer adj2 program) same HRTF | | | | | 12:59 |
| S | | | | DERWENT | |
| Computer adj2 program) same (right near2 EPO, JPO; 13:00 ERKERT USPAT; 13:04 EPO, JPO; ERKERT USPAT; 13:04 EPO, JPO; ERKERT USPAT; 13:04 EPO, JPO; ERKERT USPAT; ESS19485" "55594843" "5957389" USPAT 2003/08/21 13:04 EPO, JPO; ERKERT USPAT; EPO, JPO; USPAT; USPAT; EPO, JPO; USPAT; EPO, JPO; USPAT; U | _ | 0 | (computer adj2 program) same HRTF | USPAT; | 2003/08/21 |
| B | 1 | | | EPO; JPO; | 13:00 |
| Computer adj2 program) same (right near2 channel) | | | | | |
| Channel Chan | _ | ٥ | (computer adi2 program) same (right poar? | | 2003/08/21 |
| 13 | - | 8 | | | |
| 13 | | | cnannel) | | 13:04 |
| "5519485" "5594843" "5917539" | | | | | |
| "5519485" "5594843" "5917539" | - | 13 | | USPAT | 1 |
| "S929861" "5953013" "5953014" "5973811" "6023263" "6031564" "6055012").PN 446 (381/77,79).CCLS. | | | | | 13:04 |
| - 446 (381/77,79).CCLS. USPAT; epo; JPO (381/17,79).CCLS. USPAT; epo; JPO 13:08 USPAT 2003/08/21 13:22 | | | "5929861" "5953013" "5953014" | | |
| - 446 (381/77,79).CCLS 9 5715317.URPN 10 ("4893342" "4910779" "4975954" USPAT 2003/08/21 13:22 10:5525862" "564881" "5715317" "5799094").PN 9 5684881.URPN 18 5500900.URPN 18 5500900.URPN 18 5521981.URPN 18 5521981.URPN 18 5521981.URPN 19 742689.URPN 10 742689.URPN 11 5742689.URPN 12 7434934" "5027689" USPAT 2003/08/21 13:44 2003/08/21 13:49 2003/08/21 13:40 2003/08/21 2003/0 | | | | | |
| - 446 (381/77,79).CCLS. USPAT; 2003/08/21 Ppo; JPO 13:08 USPAT 2003/08/21 13:23 USPAT 2003/08/21 13:24 USPAT 2003/08/21 13:40 USPAT 2003/08/21 13:46 USPAT 2003/08/21 USPAT; EPO; JPO 13:52 USPAT; EPO; JPO 13:56 USPAT; EPO; JPO 13:56 USPAT; 2003/08/21 EPO; JPO 14:00 USPAT; 2003/08/21 E | | | | | |
| ST15317.URPN. USPAT 2003/08/21 13:22 13:23 15:3049/31 13:23 13:24 13 | | | 1 | HCDAM. | 3003/00/31 |
| - 9 5715317,URPN. USPAT 2003/08/21 13:22 13:22 13:22 2003/08/21 13:23 13:22 2003/08/21 13:23 13:22 2003/08/21 13:23 13:23 13:22 2003/08/21 13:23 13:23 13:22 2003/08/21 13:23 13:24 | - | 446 | (381/77,79).CCLS. | | |
| 10 | | | | | |
| - 10 ("4893342" "4910779" "4975954" USPAT 2003/08/21 13:23 15:52862" "5684881" "5715317" USPAT 2003/08/21 13:23 2033/08/21 13:23 2033/08/21 13:24 2003/08/21 13:24 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 | - | 9 | 5715317.URPN. | USPAT | 2003/08/21 |
| "5034983" "5136651" "5333200" "5793094").PN. 9 568481.URPN. 18 5500900.URPN. 18 5500900.URPN. 18 5500900.URPN. 18 550191.URPN. 18 5521981.URPN. 19 13:40 USPAT 2003/08/21 EPO; JPO 13:52 USPAT 2003/08/21 13:46 "5581618" "5666425" "5822438" USPAT 2003/08/21 13:49 "5946400" "6259795" "6307941").PN. 0 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:52 D near-ear near2 table\$1 USPAT; 2003/08/21 EPO; JPO 13:52 10 near-field near2 table\$1 USPAT; 2003/08/21 EPO; JPO 13:52 10 (audio adj2 process\$3) same (near-field USPAT; 2003/08/21 EPO; JPO 13:56 10 (near-field near2 distance) USPAT; 2003/08/21 EPO; JPO 13:56 11 (near-field near4 ear) USPAT; 2003/08/21 EPO; JPO 13:56 12 (near-field near4 ear) USPAT; 2003/08/21 EPO; JPO 14:00 USPAT; 2003/08/21 EPO; JPO 14:01 | | | | | 13:22 |
| "5034983" "5136651" "5333200" "5793094").PN. 9 568481.URPN. 18 5500900.URPN. 18 5500900.URPN. 18 5500900.URPN. 18 550191.URPN. 18 5521981.URPN. 19 13:40 USPAT 2003/08/21 EPO; JPO 13:52 USPAT 2003/08/21 13:46 "5581618" "5666425" "5822438" USPAT 2003/08/21 13:49 "5946400" "6259795" "6307941").PN. 0 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:52 D near-ear near2 table\$1 USPAT; 2003/08/21 EPO; JPO 13:52 10 near-field near2 table\$1 USPAT; 2003/08/21 EPO; JPO 13:52 10 (audio adj2 process\$3) same (near-field USPAT; 2003/08/21 EPO; JPO 13:56 10 (near-field near2 distance) USPAT; 2003/08/21 EPO; JPO 13:56 11 (near-field near4 ear) USPAT; 2003/08/21 EPO; JPO 13:56 12 (near-field near4 ear) USPAT; 2003/08/21 EPO; JPO 14:00 USPAT; 2003/08/21 EPO; JPO 14:01 | _ | 10 | ("4893342" "4910779" "4975954" | USPAT | 2003/08/21 |
| "5525862" "5684881" "5715317" "5799094").PN. 5684881.URPN. 18 | | 10 | "5034083" "5136651" "5333200" | | |
| - 9 5684881.URPN. USPAT 2003/08/21 13:24 - 18 5500900.URPN. USPAT 2003/08/21 13:40 - 18 5500900.URPN. USPAT 2003/08/21 13:40 - 18 5521981.URPN. USPAT 2003/08/21 13:40 - 11 5742689.URPN. USPAT 2003/08/21 13:40 - 11 5742689.URPN. USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5027689" USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5527689" USPAT 2003/08/21 13:40 - 3 (381/17).ccls. and (cues near3 percept\$3) - 3 (381/17).ccls. and (cues near3 percept\$3) - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/21 | | | 3034303 3130031 3333200 | | 13.23 |
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| 18 5500900.URPN. USPAT 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 | | | | | / |
| - 18 5500900.URPN. USPAT 2003/08/21 13:40 - 18 5500900.URPN. USPAT 2003/08/21 13:40 - 18 5521981.URPN. USPAT 2003/08/21 13:40 - 11 5742689.URPN. USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5027689" USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5527689" USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5527689" USPAT 2003/08/21 13:40 - 7 ("4506358" "5440639" "5521981" USPAT 2003/08/21 13:44 - "5734724").PN. USPAT 2003/08/21 13:44 - "5734724").PN. USPAT; 2003/08/21 13:46 - 9 ("5105462" "5371799" "5467401" USPAT; 2003/08/21 13:46 - "5581618" "5666425" "5822438" USPAT; 2003/08/21 13:49 - 0 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:49 - 0 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:52 - 0 (audio adj2 process\$3) same (near-field near2 table\$1 USPAT; 2003/08/21 13:52 - 0 (audio adj2 process\$3) same (near-field near2 table\$1) - 0 (audio adj2 process\$3) | _ | 9 | 5684881.URPN. | USPAT | |
| 18 5500900.URPN. USPAT 2003/08/21 13:40 13:52 13:52 13:40 13:52 13:46 13:40 13:52 13:40 13 | | | | | 13:24 |
| 18 5500900.URPN. USPAT 2003/08/21 13:40 13:52 13:40 13:52 13:46 13:40 13 | _ | 18 | 5500900.URPN. | USPAT | 2003/08/21 |
| - 18 5500900.URPN. USPAT 2003/08/21 13:40 - 18 5521981.URPN. USPAT 2003/08/21 13:40 - 11 5742689.URPN. USPAT 2003/08/21 13:40 - 7 ("4506358" "4734934" "5027689" USPAT 2003/08/21 13:40 - 7 ("4506358" "5212733" "5440639" USPAT 2003/08/21 13:40 - 7 ("4506358" "5340639" "5521981" USPAT 2003/08/21 13:40 - 3 (381/17).ccls. and (cues near3 percept\$3) USPAT 2003/08/21 13:52 - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/21 13:52 - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/21 13:46 - "5581618" "5666425" "5822438" USPAT 2003/08/21 13:49 - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/21 13:49 - 10 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:52 - 0 (381/17).ccls. and (near-ear near2 USPAT; 2003/08/21 13:52 - 0 (addio adj2 process\$3) same (near-field near2 table\$1 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 table\$1 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 table\$1 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 table\$1 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3) same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3] same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3] same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3] same (near-field near2 USPAT; 2003/08/21 13:53 - 0 (audio adj2 process\$3] same (near-field near2 USPAT; 2003/08/21 13:53 | | | | | 13:40 |
| 18 5521981.URPN. USPAT 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 13:40 2003/08/21 2003/08 | | 10 | 5500000 JIDDN | ייעם און | |
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| - 0 (381/17).ccls. and (near-ear near2 table\$1) - 0 near-ear near2 table\$1 - 0 near-ear near2 table\$1 - 2 near-field near2 table\$1 - 2 near-field near2 table\$1 - 0 (audio adj2 process\$3) same (near-field near2 table\$1) - 0 (audio adj2 process\$3) same (near-field near2 table\$1) - 0 (near-field near2 distance) - 0 (near-field near4 ear) - 1 (near-field near4 ear) - 1 (near-field near4 audio) - 2 (381/1).ccls. and (binaur\$2 adj2 - 2 (03/08/21) - 2 (003/08/21) | | | | | 13.43 |
| table\$1) near-ear near2 table\$1 left po; JPO | | | | | |
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| - 2 near-field near2 table\$1 | - | 0 | near-ear near2 table\$1 | USPAT; | 2003/08/21 |
| - 2 near-field near2 table\$1 USPAT; 2003/08/21 EPO; JPO 13:53 - 0 (audio adj2 process\$3) same (near-field USPAT; 2003/08/21 EPO; JPO 13:56 - 87 (near-field near2 distance) USPAT; 2003/08/21 EPO; JPO 14:00 - 1 (near-field near4 ear) USPAT; 2003/08/21 EPO; JPO 14:01 - 8 (near-field near4 audio) USPAT; 2003/08/21 EPO; JPO 14:01 - 7 (381/1).ccls. and (binaur\$2 adj2 USPAT 2003/08/21 | | 1 | i ' | | 13:52 |
| - (audio adj2 process\$3) same (near-field near2 table\$1) - (near-field near2 distance) - (near-field near4 ear) - (near-field near4 audio) - (near-field near4 audio) - (381/1).ccls. and (binaur\$2 adj2 - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) - (2003/08/21) | _ | 2 | near-field near2 table\$1 | i ' | |
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| - | 13 | ("4199658" "4741035" "4910779" | USPAT | 2003/08/21 |
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| | | "4975954" "5208860" "5371799" | | 14:13 |
| | | "5386082" "5440639" "5452359" | | |
| 1 | | "5495534" "5511129" "5521981" | | |
| | | "5659619").PN. | | |
| 1 | 0 | l | USPAT | 2003/08/21 |
| - | ٠ | | USFAI | 14:18 |
| 1 | _ | near2 depend\$4) | TIGD N M | 1 |
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| | | near2 depend\$4) | | 14:18 |
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| | | near3 sound) | | 14:18 |
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| 1 | • | near3 sound) | | 14:19 |
| - | [0 | cues same (inverse adj2 squar\$2 near3 | USPAT | 2003/08/21 |
| | } | sound) | | 14:19 |
| - | 1 | cues same (inverse adj2 squar\$2) | USPAT | 2003/08/21 |
| | | | | 14:48 |
| _ | 18 | source adj2 posit\$3 near3 table | USPAT | 2003/08/21 |
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| 1_ | 60 | source near2 posit\$3 near3 table | USPAT | 2003/08/21 |
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| | 11 | ("4561102" "4991215" "5749065" | USPAT | 2003/08/21 |
| 1 | "" | (~4381102~ ~4991213~ ~5749063~ "5774838" "5825311" "5878388" | ODEWI | 14:52 |
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| | | "5960388" "6018707" "6330534" | | |
| | | "6330535" "6345247").PN. | | |
| - | 352 | sound near2 source near2 posit\$3 | USPAT | 2003/08/21 |
| | | | | 14:53 |
| - | 5 | 1 , | USPAT | 2003/08/21 |
| , | | "5970153" "6067361").PN. | 1 | 14:54 |
| - | 15 | 5404406.URPN. | USPAT | 2003/08/21 |
| | | | | 15:06 |
| _ | 17 | monophon\$2 adj2 process\$3 | USPAT; | 2003/08/21 |
| |] | | EPO; JPO | 15:50 |
| _ | 7 | clemow.in. and HRTF | USPAT; | 2004/06/30 |
| | · | OTOMOW.III. GIRG III.II | EPO; JPO; | 13:09 |
| | | | DERWENT | 13.03 |
| | _ | 9820707.URPN. | | 2003/09/21 |
| - | 0 | 9020/0/.UKPN. | USPAT | 2003/08/21 |
| | _ | and the same of th | Hanam: | 16:01 |
| - | 7 | nackvi.in. and HRTF | USPAT; | 2003/08/21 |
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| - | 0 | central-research.AS. and HRTF and gain | USPAT; | 2003/08/21 |
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| | | | EPO; JPO; | 16:20 |
| | | | DERWENT | |
| _ | 71 | "central research laboratories".AS. | USPAT; | 2003/08/21 |
| | '- | | EPO; JPO; | 16:26 |
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| 1_ | 3 | 5600727.URPN. | USPAT | 2003/08/21 |
| | 3 | JUJUIZI. ONEW. | SPEKI | 16:22 |
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| - | 4 | ("4555795" "5235646" "5301236" | USPAT | 2003/08/22 |
| | 1 | "5369224").PN. | | 08:27 |
| - | 9 | 4404427.URPN. | USPAT | 2003/08/22 |
| | | | | 08:34 |
| - | 16 | (("6005946") or ("6118875") or | USPAT; | 2003/08/22 |
| 1 | | ("5208862") or ("5715815") or ("5600727") | EPO; JPO; | 12:33 |
| | 1 | or ("6084970") or ("6496796") or | DERWENT | 12.33 |
| 1 | 1 | | DEVMENT | |
| 1_ | | ("5901232")).PN. | HCDAE - | 2003/08/22 |
| 1 - | 2 | ("5751815").PN. | USPAT; | 2003/08/22 |
| 1 | 1 | | EPO; JPO; | 12:34 |
| | | | DERWENT | l l |
| - | 564 | (381/1).CCLS. | USPAT; | 2003/08/22 |
| | <u> </u> | | EPO; JPO | 13:14 |
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|--|-----|-----|--|----------|------------|
| 1 "5572591", PM. USPAT 2003/08/22 12:51 2003/08/22 12:51 2003/08/22 | _ | 0 | 6385320.URPN. | USPAT | 2003/08/22 |
| 10 | | , | #5572501# DN | IICDAM | |
| 10 | _ | 1 | "55/2591".PN. | USPAT | |
| **i5034983" **i5136651" **i5333200" **i552862" **i564681" **i571517" **i5799094").PN. 0 (381/1).ccls. and (dain adj2 table91) - 0 (381/1).ccls. and (dalay near] distan\$2 near4 table) - 4 (381/1).ccls. and (look near4 table) - 4 (381/1).ccls. and (look near4 table) - 1 ("5333200").PN. - 1 ("5333200").PN 0 ("near-fieldnear3distance").PN 114 near-field near2 distance - 12 (near-field near2 distance - 12 (near-field near2 effects) same signal - 1 (near-field near2 effects) same audio - 1 (signal adj3 magnit\$3 near5 cue\$1) - 2 (signal adj3 magnit\$3 near5 cue\$1) - 0 (cue\$1 near2 percept\$2) - 17 (cue\$1 near2 percept\$2) - 18 ("central research lab".AS 0 "central research lab\$9".AS 274 "central research lab\$9".AS 274 "central research lab\$9".AS 1864 "central research lab\$9".AS 275 "central research lab\$9".AS 1865 "central research lab\$9".AS 287 "central research lab\$9".AS 298 "silo\$4620" "\$2529735" "\$367401" "\$5866400" "\$5866400" "\$5877 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 15:04 2003/08/22 | l _ | 10 | ("4893342" "4910779" "4975954" | HEPAT | |
| - 0 (381/1).ccls. and (gain adj2 table\$1) | | 10 | | 001111 | |
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| 1 ("S333200").PN. | _ | 4 | | | |
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| - 0 ("near-field near3 distance").PN. USPAT; 2003/08/22 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:29 14:32 14:32 14:33 14:3 | - | 1 | ("5333200").PN. | USPAT | |
| 114 | | _ | ("many fieldmany2distance") DN | IICDAT. | |
| - 114 near-field near3 distance USPAT 14:32 12 (near-field near2 effects) same signal USPAT 2003/08/22 14:33 1 (near-field near2 effects) same audio USPAT 2003/08/22 14:33 14:44 2 (signal adj3 magnit93 near5 cue\$1) USPAT 2003/08/22 14:44 2 (cue\$1 near2 percept\$2) USPAT 2003/08/22 14:46 USPAT 2003/08/22 14:58 USPAT 2003/08/22 14:58 USPAT 2003/08/22 14:58 USPAT 2003/08/22 15:03 USPAT 2003/08/22 15:03 USPAT 2003/08/22 15:03 USPAT 2003/08/22 15:03 USPAT 2003/08/22 15:04 USPAT 2003/08/26 15:04 | - | | ("near-fleidhear3distance").PN. | | |
| 12 (near-field near2 effects) same signal 14:32 2003/08/22 14:33 2003/08/22 14:33 2003/08/22 14:33 2003/08/22 14:33 2003/08/22 14:44 2 2 (signal adj3 magnit\$3 near5 cue\$1) USPAT 2003/08/22 14:44 2 (cue\$1 near2 percept\$2) USPAT 14:46 USPAT 2003/08/22 EPO; JPO 15:03 USPAT 2003/08/22 EPO; JPO 15:03 USPAT 2003/08/22 EPO; JPO 15:04 USPAT 2003/08/26 EPO; JPO 15:04 USPAT | _ | 114 | near-field near3 distance | i i | |
| 1 | | | | | |
| 1 | [- | 12 | (near-field near2 effects) same signal | USPAT | |
| 14:44 | | , | (man 64 ald man) a66 and a sum and a | HEDAM | |
| 2 | _ | 1 | (near-fleid nearz effects) same audio | USPAT | |
| EPO; JPO | _ | 2 | (signal adj3 magnit\$3 near5 cue\$1) | USPAT; | |
| Cue\$1 near2 percept\$3 | |] | | EPO; JPO | 14:46 |
| - | - | 0 | (cue\$1 near2 percept\$2) | | |
| Techtral research lab".AS. | | | /m.a61 mann2 mannata2) | I ' | |
| - 164 "central research lab".AS. | - | '1 | (cue; near/ percept;3) | | |
| EPG) JPO | _ | 164 | "central research lab".AS. | 1 | |
| - 274 "central research".AS. - 9 ("5105462" "5371799" "5467401" EPO; JPO 15:03 2003/08/22 EPO; JPO 15:04 2003/08/22 EPO; JPO 15:04 2003/08/22 EPO; JPO 15:04 2003/08/22 EPO; JPO 15:04 USPAT 15:04 USPAT 15:04 USPAT 15:04 USPAT 15:04 USPAT 2003/08/22 EPO; JPO 13:26 uspanit\$3 same cue\$1) - 0 (381/1,17).ccls. and (signal adj2 magnit\$3 same cue\$1) EPO; JPO 13:26 USPAT; 2003/08/22 EPO; JPO 15:11 USPAT; 2003/08/22 EPO; JPO 15:14 USPAT; 2003/08/22 EPO; JPO 15:48 EPO; J | | | , | 1 | |
| - 274 "central research".AS. Spans | - | 0 | "central research lab\$9".AS. | | |
| - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/22 15:04 | | 074 | | l ' | 1 |
| - 9 ("5105462" "5371799" "5467401" USPAT 2003/08/22 15:04 "5581618" "5666425" "5822438" "5946400" "6259795" "6307941").PN. 2003/08/26 2003/08/26 2003/08/26 2003/08/26 2003/08/26 2003/08/26 2003/08/26 2003/08/26 2003/08/22 2 | - | 2/4 | "central research".AS. | | |
| "5581618" "5666425" "5822438" "5946400" "6259795" "6307941").PN. | _ | . 9 | ("5105462" "5371799" "5467401" | | |
| - 0 (381/1,17).ccls. and (signal adj2 magnit\$3 same cue\$1) | | | "5581618" "5666425" "5822438" | | |
| magnit\$3 same cue\$1) | | | | | |
| - 0 (381/1,17).ccls. and (signal adj2 magnit\$3 same percept\$3) - 8 (381/1,17).ccls. and (magnit\$3 same percept\$3) - 8 (381/1,17).ccls. and (magnit\$3 same uspart) - 2 (203/08/22 percept\$3) - 4 (23 texas.AS. and sound percept\$3) - 5 (23 texas.AS. and sound percept\$3) - 6 (23 texas.AS. and sound percept\$3) - 6 (24 texas.AS. and sound percept\$3) - 7 (25 texas.AS. and sound percept\$3) - 8 (25 texas.AS. and sound percept\$3) - 135 lueck.in. | - | 0 | | · | 1 |
| magnit\$3 same percept\$3) (381/1,17).ccls. and (magnit\$3 same percept\$3) - (381/1,17).ccls. and (magnit\$3 same percept\$3) - (623 texas.AS. and sound USPAT; 2003/08/22 percept\$3) - (7 ("texas instruments".AS. and (3D adj2 USPAT; 2003/08/22 sound) - (8 "texas instruments".AS. and (3D adj2 USPAT; 2003/08/22 percept\$3] - (8 ("texas instruments".AS. and (3D adj2 USPAT; 2003/08/22 percept\$3] - (135 lucek.in. PN. USPAT; 2003/08/22 percept\$3] - (1 ("6442277").PN. USPAT; 2003/08/22 percept\$4] - ("5339363" "5521981" "6243476" USPAT; 2003/08/22 percept\$4] - (381/1,17).ccls. and (single near2 USPAT; 2003/08/26 percept\$4] - (11 (381/1,17).ccls. and (single near2 USPAT; 2003/08/26 percept\$4] - (16 ("4817149" "55173944" "5272757" USPAT 2003/08/26 percept\$4] - (74817149" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. USPAT 2003/08/26 percept\$4] - (8 ("4817149" "5742689" "5751817" USPAT 2003/08/26 percept\$4] - (8 ("4817149" "5173944" "5272757" USPAT 2003/08/26 percept\$4] - (8 ("4817149" "5764777" "5928311" "5729612" "5742689" "5751817" "5743447" "6011754" "6021200" "6035045").PN. USPAT; 2003/08/26 percept\$4] - (11 (381/17).ccls. and (single near2 channel percept\$4] - (11 (381/17).ccls. and (single near2 channel percept\$4] - (8 (11 | _ | _ ا | | 1 ' | |
| - 8 (381/1,17).ccls. and (magnit\$3 same percept\$3) - 623 texas.As. and sound USPAT; 2003/08/22 - 6 "texas instruments".As. and (3D adj2 USPAT; 2003/08/22 sound) EPO; JPO 15:32 - 135 lueck.in. EPO; JPO 15:31 USPAT; 2003/08/22 - 1 ("6442277").PN. USPAT; 2003/08/22 EPO; JPO 15:31 USPAT 2003/08/22 EPO; JPO 15:32 USPAT 2003/08/26 EPO; JPO 13:27 EPO; JPO 13:29 EPO; JPO; IPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J | | | | | |
| - 623 texas.AS. and sound USPAT; 2003/08/22 15:32 USPAT; 2003/08/22 sound) USPAT; 2003/08/22 EPO; JPO USPAT 2003/08/22 EPO; JPO USPAT 2003/08/22 15:32 USPAT; 2003/08/22 15:32 USPAT; 2003/08/26 CANN\$2 near2 audio) USPAT; 2003/08/26 EPO; JPO USPAT; 2003/08/26 USPAT; 2003/0 | - | 8 | (381/1,17).ccls. and (magnit\$3 same | | 1 1 |
| - 6 "texas instruments".AS. and (3D adj2 sound) - 135 lueck.in 13 ["6442277"].PN 1 ["6442277"].PN 1 ["6442277"].PN 2 ["5339363" "5521981" "6243476" USPAT; 2003/08/22 l5:32 l5 | | | | | 1 1 |
| - 6 "texas instruments".AS. and (3D adj2 sound) - 135 lueck.in. | - | 623 | texas.AS. and sound | | 1 |
| Sound Soun | _ | 6 | "texas instruments".AS. and (3D adi2 | | |
| - 1 ("6442277").PN. | | | , , | | 1 |
| - 1 ("6442277").PN. USPAT 2003/08/22 15:32 - 4 ("5339363" "5521981" "6243476" USPAT 2003/08/22 15:32 - 1 (381/1,17).ccls. and (single near2 channel near2 audio) - 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 203/08/26 | - | 135 | lueck.in. | | 1 ' ' |
| - 4 ("5339363" "5521981" "6243476" USPAT 2003/08/22 15:32 2003/08/22 15:32 2003/08/22 15:32 2003/08/26 | | - | /!! C442277!! \ DN | - | 1 |
| - 4 ("5339363" "5521981" "6243476" USPAT 2003/08/22 | - | 1 | ("64422//").PN. | USPAT | |
| "6307941").PN. 15:32 2003/08/26 Chann\$2 near2 audio) EPO; JPO 13:27 2003/08/26 EPO; JPO 13:27 2003/08/26 EPO; JPO 13:27 2003/08/26 EPO; JPO 13:27 2003/08/26 EPO; JPO USPAT 2003/08/26 EPO; JPO JPO; JPO JPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; | - | 4 | ("5339363" "5521981" "6243476" | USPAT | |
| Chann\$2 near2 audio) ("4817149" "5173944" "5272757" USPAT 2003/08/26 "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5943427" "6011754" "6021200" "6035045").PN. 16 ("4817149" "55742689" "5272757" USPAT 2003/08/26 "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5729612" "5742689" "5751817" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 11 (381/17).ccls. and (single near2 channel USPAT; near2 audio) EPO; JPO; 14:22 | | _ | "6307941").PN. | | 15:32 |
| - 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 | - | 11 | | I ' | |
| "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 16 ("4817149" "55173944" "5272757" USPAT 2003/08/26 "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | | 10 | | | |
| "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | 1 - | 16 | | USPAI | |
| "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 "5438623" "5581618" "5596644" "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | | | | | |
| - 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 | | | "5761314" "5764777" "5928311" | | |
| - 16 ("4817149" "5173944" "5272757" USPAT 2003/08/26 | | | | | |
| "5438623" "5581618" "5596644" | | 10 | | IISDAT | 2003/09/26 |
| "5729612" "5742689" "5751817" "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. - 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | _ | 10 | | OSERI | 1 |
| "5761314" "5764777" "5928311" "5943427" "6011754" "6021200" "6035045").PN. - 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | | | | | |
| "6035045").PN 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | | | "5761314" "5764777" "5928311" | | |
| - 11 (381/17).ccls. and (single near2 channel USPAT; 2003/08/26 near2 audio) EPO; JPO; 14:22 | | | | | |
| near2 audio) EPO; JPO; 14:22 | _ | 11 | | IISDAT. | 2003/08/26 |
| | | | | · · | |
| | | | | DERWENT | = = - |

| - | 11 | (381/1,17).ccls. and (single near2 | USPAT; | 2003/08/26 |
|--------------|-------|--|-----------|------------|
| | | channel near2 audio) | EPO; JPO; | 14:24 |
| | 1 | | DERWENT | |
| - | 4 | (381/1,17).ccls. and (single near2 | USPAT; | 2003/08/26 |
| | 1 | channel near2 process\$3) | EPO; JPO; | 14:49 |
| | | | DERWENT | i |
| - | 34 | 5208860.URPN. | USPAT | 2003/08/26 |
| | | | | 14:39 |
| - | 1102 | (381/1,17,18).ccls. | USPAT; | 2003/08/27 |
| | | | EPO; JPO | 08:27 |
| _ | 1 | (381/1,17,18).ccls. and (field near2 | USPAT; | 2003/08/27 |
| | | gain) | EPO; JPO | 08:31 |
| _ | 1 | (381/1,17,18).ccls. and (field adj2 | USPAT; | 2003/08/27 |
| | _ | effect\$1 near2 gain) | EPO; JPO | 08:32 |
| <u>-</u> | 27 | (381/1,17,18).ccls. and (gain adj2 | USPAT; | 2003/08/27 |
| | | fact\$3) | EPO; JPO | 08:35 |
| _ | 1 | ("4136260").PN. | USPAT | 2003/08/27 |
| | _ | (4150200).IN. | OSIAI | 08:36 |
| _ | 1 | GB-2232796-\$.did. | USPAT; | 2003/08/27 |
| - | _ | GB-2232790 Q. QIQ. | EPO; JPO | 08:37 |
| | 0 | EP-0160431-\$.did. | USPAT; | 2003/08/27 |
| - | 1 | EF OIOUTSITY. CLIC. | EPO; JPO | 08:37 |
| | | ED 160421 6 did | | i i |
| - | · · · | EP-160431-\$.did. | USPAT; | 2003/08/27 |
| | _ | ED 0100401 6 44 3 | EPO; JPO | 08:38 |
| - | 0 | EP-0160431-\$.did. | USPAT; | 2003/08/27 |
| | _ | 01 C0 401 A 11 1 | EPO; JPO | 08:38 |
| - | 0 | EP-0160431-\$.did. | USPAT; | 2003/08/27 |
| | | | EPO; JPO; | 08:38 |
| | | | DERWENT | |
| - | 2 | WO-9515069-\$.did. | USPAT; | 2003/12/31 |
| | | | EPO; JPO; | 11:34 |
| | | | DERWENT | |
| - | 0 | GB-9813290-\$.did. | USPAT; | 2003/08/27 |
| | | , | EPO; JPO; | 08:55 |
| | | | DERWENT | |
| - | 0 | GB-9813290.5-\$.did. | USPAT; | 2003/08/27 |
| | į | | EPO; JPO; | 08:55 |
| | | | DERWENT | |
| - | 32 | method adj2 synthes\$6 adj2 audio | USPAT; | 2003/08/27 |
| | | | EPO; JPO; | 08:59 |
| | | | DERWENT | |
| - | l · o | EP-0689756-\$.did. | USPAT; | 2003/08/27 |
| | _ | | EPO; JPO; | 09:00 |
| | | | DERWENT | |
| _ | 0 | EP-B-0689756-\$.did. | USPAT; | 2003/08/27 |
| | 1 | 21 2 0003 100 7.424. | EPO; JPO; | 09:06 |
| | | | DERWENT | |
| I _ | 51 | (381/310).CCLS. | USPAT; | 2003/08/27 |
| | | ,,, | EPO; JPO | 11:05 |
| _ | 67 | audio adj2 process\$3 near2 program | USPAT; | 2003/08/27 |
| | | anni anji procesto mare program | EPO; JPO | 09:50 |
| _ | 1 | (single adj2 chann\$2) same (audio adj2 | USPAT; | 2003/08/27 |
| | | process\$3 near2 program) | EPO; JPO | 09:51 |
| _ | 2 | (single adj2 chann\$2 adj3 process\$3) | USPAT; | 2003/08/27 |
| | • - | near2 program | EPO; JPO | 11:03 |
| 1_ | 40 | (381/303).CCLS. | USPAT; | 2003/08/27 |
| - | | (301/303).0010. | EPO; JPO | 11:10 |
| 1_ | 2 | (3D adj2 sound) near synthe\$6 | USPAT; | 2003/08/27 |
| | 2 | (SD adjz Sound) near Synthese | EPO; JPO | |
| | 9 | ("5105462" "5271700" "5467401" | | 11:10 |
| - | 9 | ("5105462" "5371799" "5467401" | USPAT | 2003/08/27 |
| | | "5581618" "5666425" "5822438" | | 11:11 |
| | 1 12 | "5946400" "6259795" "6307941").PN. | HCDAM | 2002/12/22 |
| - | 12 | "5742689" | USPAT | 2003/12/22 |
| | _ | (201/17)1 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 11:23 |
| - | 0 | (381/17).ccls. and (head adj2 respon\$2) | USPAT; | 2003/12/30 |
| | | same magnit\$3 | EPO; JPO; | 09:12 |
| 1 | _ | | DERWENT | |
| - | 0 | (| USPAT; | 2003/12/30 |
| 1 | | respon\$2) same magnit\$3 | EPO; JPO | 09:12 |
| - | 8 | (381/1,17,18).ccls. and (HRTF) same | USPAT; | 2003/12/30 |
| | | magnit\$3 | EPO; JPO | 09:19 |

| - | 5 | ("4748669" "5438623" "5930733" | USPAT | 2003/12/30 |
|----|-----|---|--------------------|---------------------|
| | _ | "5970153" "6067361").PN. | | 09:13 |
| - | 2 | (381/1,17,18).ccls. and (inverse near2 | USPAT; | 2003/12/30 |
| | | square) same magnit\$3 | EPO; JPO | 09:20 |
| - | 6 | 1 | USPAT; | 2003/12/30 |
| | | square) same distance | EPO; JPO | 09:22 |
| - | 4 | · · · · · · · · · · · · · · · · · · · | USPAT; | 2003/12/30 |
| | , | scale) | EPO; JPO | 09:22 |
| - | 1 | ("5943427").PN. | USPAT | 2003/12/31 |
| | 1.0 | /#2665105# #4640115# #4721040# | USPAT | 08:39 2003/12/31 |
| - | 12 | ("3665105" "4648115" "4731848" "4792974" "4817149" "4908858" | USPAI | 08:40 |
| | | "5046097" "5073942" "5337363" | | 00.40 |
| | | "5371799" "5500900" "5521981").PN. | | |
| 1_ | 3 | 5943427.URPN. | USPAT | 2003/12/31 |
| | | | ****** | 10:26 |
| _ | 1 | (381/1,17,18).ccls. and (ILD) same gain | USPAT; | 2004/01/02 |
| | _ | | EPO; JPO | 10:50 |
| _ | 6 | (381/1,17,18).ccls. and (interaur\$2 adj2 | USPAT; | 2003/12/31 |
| | | level adj2 differe\$3) | EPO; JPO | 10:35 |
| - | 7 | (381/1,17,18).ccls. and (gain near4 | USPAT; | 2004/01/02 |
| | 1 | distanc\$2) | EPO; JPO | 08:29 |
| - | 0 | (381/1,17,18).ccls. and (computer near2 | USPAT; | 2003/12/31 |
| | | program) same HRTF | EPO; JPO | 10:36 |
| - | 0 | (381/1,17,18).ccls. and (computer near2 | USPAT; | 2003/12/31 |
| | _ | program) same (head near2 response) | EPO; JPO | 10:36 |
| - | 0 | (381/1,17,18).ccls. and (program) same | USPAT; | 2003/12/31 |
| 1_ | 0 | (head near2 response) (381/1,17,18).ccls. and (combin\$3) same | EPO; JPO USPAT; | 10:36 2003/12/31 |
| - | | left same right same (other near3 | EPO; JPO | 10:41 |
| | | chann\$3) | EFO, OFO | 10.41 |
| _ | 124 | | USPAT; | 2004/01/09 |
| | | left same right same (chann\$3) | EPO; JPO | 12:55 |
| 1_ | 34 | | USPAT; | 2004/01/08 |
| | | left near3 right near4 (chann\$3) | EPO; JPO | 13:31 |
| _ | 4 | | USPAT | 2003/12/31 |
| | | ("5946400") or ("5822438")).PN. | | 11:17 |
| - | 22 | sibbald.in. and (combin\$3) | USPAT; | 2003/12/31 |
| | | | EPO; JPO; | 11:20 |
| | | | DERWENT; | |
| | 24 | "central research".AS. and (audio near2 | IBM_TDB USPAT; | 2003/12/31 |
| - | 24 | signal) | EPO; JPO; | 11:23 |
| | | Signal | DERWENT; | 11.25 |
| | | | IBM TDB | |
| _ | 2 | WO-9410816-\$.did. | USPAT; | 2003/12/31 |
| | | , | EPO; JPO; | 11:34 |
| | | | DERWENT | |
| - | 2 | (("5440639") or ("5438623")).PN. | USPAT | 2003/12/31 |
| | | | | 11:34 |
| - | 7 | (, -,,, ((| USPAT; | 2004/01/02 |
| | | squar\$1 near2 law) | EPO; JPO | 10:29 |
| _ | 1 | (381/310).ccls. and (inverse near2 squar\$1 near2 law) | USPAT; EPO; JPO | 2004/01/05 16:09 |
| 1_ | 2 | | USPAT; | 2004/01/05 |
| - | | cue\$1 | EPO; JPO | 12:29 |
| _ | 1 | ("4817149").PN. | USPAT | 2004/01/02 |
| | | ,, , ,, | | 08:29 |
| - | 14 | (381/1,17,18,310).ccls. and (look-up | USPAT; | 2004/06/28 |
| | | near2 table) | EPO; JPO | 14:15 |
| _ | 4 | (381/1,17,18,310).ccls. and (sound near2 | USPAT; | 2004/01/05 |
| | | level near2 intens\$3) | EPO; JPO | 16:05 |
| - | 2 | (("6078622") or ("5983087")).PN. | USPAT | 2004/01/05 |
| | 9 | /#5105460# #5071700# #5467401# | HCDAM | 10:12 |
| - | 9 | | USPAT | 2004/01/05 |
| | ł | "5581618" "5666425" "5822438" "5946400" "6259795" "6307941").PN. | 1 | 10:23 |
| - | 2 | (inverse near2 squar\$1) same cue\$1 | USPAT; | 2004/01/05 |
| | | , | EPO; JPO | 11:44 |
| - | 19 | (inverse near2 squar\$1 near2 law) same | USPAT; | 2004/01/05 |
| | | gain | EPO; JPO | 12:32 |
| | | | | |

| - | 40 | (inverse near2 squar\$1) same speak\$2 | USPAT; | 2004/06/29 |
|-----|-----|---|--------------------|-----------------------|
| | | | EPO; JPO | 15:31 |
| _ | 836 | (381/104,105,107).ccls. | USPAT; EPO; JPO | 2004/01/05 14:42 |
| | | /201/104 105 107) and /introngo | USPAT; | 2004/01/05 |
| - | 1 | (381/104,105,107).ccls. and (inverse near2 square) same distance | EPO; JPO | 16:09 |
| | 1 | (381/104,105,107).ccls. and (inverse | USPAT; | 2004/01/06 |
|] - | 1 | near2 square) same gain | EPO; JPO | 17:21 |
| _ | 431 | (381/104/105,107).CCLS. | USPAT; | 2004/01/05 |
| | .51 | (802, 200, 200, 100=20) | EPO; JPO | 14:43 |
| _ | 39 | ((381/104/105,107).CCLS.) and distance | USPAT; | 2004/01/05 |
| | | | EPO; JPO | 14:43 |
| _ | 540 | (381/17,310).CCLS. | USPAT; | 2004/01/05 |
| | | | EPO; JPO | 15:58 |
| - | 2 | (("5473682") or ("5910990")).PN. | USPAT; | 2004/01/05 |
| | | | EPO; JPO USPAT | 15:14 2004/01/05 |
| - | 12 | ("3665105" "4648115" "4731848" | USPAI | 15:27 |
| | | "4792974" "4817149" "4908858" "5046097" "5073942" "5337363" | | 13.27 |
| | | "5371799" "5500900" "5521981").PN. | | |
| | 205 | (381/74).CCLS. | USPAT; | 2004/01/05 |
| - | 203 | (301/71/.0010. | EPO; JPO | 15:58 |
| 1_ | 38 | (381/1,17,18,310).ccls. and (free near2 | USPAT; | 2004/01/05 |
| | | field) | EPO; JPO | 16:08 |
| _ | 9 | (381/1,17,18,310).ccls. and (near-field) | USPAT; | 2004/01/05 |
| | | | EPO; JPO | 16:05 |
| _ | 1 | (381/1,17,18,310).ccls. and (free near2 | USPAT; | 2004/01/05 |
| | | field) same gain | EPO; JPO | 16:08 |
| - | 6 | (381/17,18,310).ccls. and (inverse near2 | USPAT; | 2004/01/08 |
| | · _ | squar\$1 near2 law) | EPO; JPO | 11:45 2004/01/06 |
| - | 1 | (381/104,105,107).ccls. and (inverse | USPAT; EPO; JPO | 17:21 |
| | 100 | near2 square) (inverse near2 squar\$1) same gain | USPAT; | 2004/01/08 |
| - | 102 | (Inverse hearz squary) same gain | EPO; JPO | 09:37 |
| 1_ | 30 | (inverse near2 squar\$1) near4 gain | USPAT; | 2004/01/08 |
| - | | (Inverse means squarts, mans see | EPO; JPO | 09:39 |
| _ | l 0 | (inverse near2 squar\$1) near4 gain same | USPAT; | 2004/01/08 |
| 1 | | distance | EPO; JPO | 09:39 |
| _ | 26 | (inverse near2 squar\$1) same gain same | USPAT; | 2004/01/08 |
| | ļ | distance | EPO; JPO | 09:39 |
| - | 19 | | USPAT; | 2004/01/08 |
| | l | (process\$3 near4 audio)) | EPO; JPO USPAT; | 11:48 2004/01/08 |
| - | 24 | (381/17,18,310).ccls. and (computer same | EPO; JPO | 12:43 |
| | 12 | (process\$3 near4 audio)) (381/17,18,310).ccls. and (inaudib\$2) | USPAT; | 2004/01/08 |
| _ | 12 | (381/17,10,310).ccis. and (indudible) | EPO; JPO | 13:21 |
| 1 | 1 | (381/17,18,310).ccls. and (transaur\$2 | USPAT; | 2004/01/08 |
| 1 | | near2 crosstal\$1) | EPO; JPO | 13:23 |
| _ | 4 | (381/17,18,310).ccls. and (transaur\$2 | USPAT; | 2004/01/08 |
| | | near3 crosstal\$1) | EPO; JPO | 13:23 |
| - | 0 | | USPAT; | 2004/01/08 |
| | | near3 left near3 right same (other near2 | EPO; JPO | 13:31 |
| | | chann\$3) | IICDATE. | 2004/01/09 |
| - | 43 | (381/1,17,18,310).ccls. and (combin\$3) | USPAT; EPO; JPO | 12:33 |
| | - | near3 left near3 right same (chann\$3) (381/1,17,18,310).ccls. and (binaural) | USPAT; | 2004/01/08 |
| - | 1 | near5 (stereo near3 speak\$3) | EPO; JPO | 13:43 |
| _ | 1 | | USPAT | 2004/01/08 |
| _ | 1 | | | 13:33 |
| - | 9 | ("3236949" "4893342" "4910779" | USPAT | 2004/01/08 |
| | | "4975954" "5889867" "6009178" | | 13:34 |
| | | "6243476" "6307941" "6442277").PN. | | |
| - | 1 | ("3236949").PN. | USPAT | 2004/01/08 |
| | | | | 13:43 |
| - | 32 | 3236949.URPN. | USPAT | 2004/01/08 |
| 1 | | (201/1 17 10 210) ggla and (hoares) same | USPAT; | 2004/01/08 |
| - | 2 | (381/1,17,18,310).ccls. and (hear\$3) same (single near2 ear) | EPO; JPO | 15:30 |
| _ | 6 | | USPAT; | 2004/01/08 |
| | | (381/1,17,18,310).ccis. and (31mg/c medi2 | EPO; JPO | 15:08 |
| | | 1 / | | |

| - | 9 | ("5105462" "5371799" "5467401" | USPAT | 2004/01/08 |
|----------|--------------|--|-----------|------------|
| | | "5581618" "5666425" "5822438" | | 15:41 |
| | | "5946400" "6259795" "6307941").PN. | | |
| _ | 250 | (381/1,17,18,310).ccls. and (surround) | USPAT; | 2004/01/08 |
| | | (002, 2, 1, 10, 000, 00000, 000000 | EPO; JPO | 15:43 |
| | 61 | ("3170991" "3246081" "3249696" | USPAT | 2004/01/08 |
| i - | 61 | | USPAI | |
| - | | "3665105" "3697692" "3725586" | | 15:44 |
| | 1 | "3745254" "3757047" "3761631" | | |
| | | "3772479" "3849600" "3885101" | | |
| | | "3892624" "3943293" "4024344" | | |
| | | "4063034" "4069394" "4118599" | | |
| | | "4139728" "4192969" "4218585" | | |
| | 1 | , , , | | |
| | | "4219696" "4237343" "4239937" | | |
| | 1 | "4303800" "4308423" "4308424" | | |
| | 1 | "4309570" "4332979" "4349698" | | |
| | | "4355203" "4356349" "4393270" | | |
| | | "4394536" "4408095" "4479235" | | |
| | 1 | "4489432" "4495637" "4497064" | | |
| | 1 | "4503554" "4567607" "4569074" | | |
| | ļ | | | |
| | 1 | "4589129" "4594610" "4594730" | | |
| | | "4748669" "4856064" "4866774" | | |
| | | "4953213" "5046097" "5105462" | | |
| | | "5208860" "5251260" "5255326" | | |
| | | "5319713" "5400405" "5533129" | | |
| | İ | "5661808" "5692050" "5850454" | | |
| | 1 | l · · · · · · · · · · · · · · · · · · · | | |
| | | "5883962").PN. | Habba | 2004/01/02 |
| - | 9 | | USPAT | 2004/01/08 |
| |] | "5581618" "5666425" "5822438" | | 15:50 |
| | | "5946400" "6259795" "6307941").PN. | | |
| _ | 3 | ("3725586" "4121059" "5982903").PN. | USPAT | 2004/01/08 |
| | 1 | , | | 16:14 |
| | , | /!!ECCC43E!!\ DN | HCDNT | 2004/01/09 |
| - | 1 | ("5666425").PN. | USPAT | |
| | _ | | | 12:42 |
| - | 0 | EP-689756-\$.did. | USPAT; | 2004/01/09 |
| | | | EPO | 12:42 |
| - | l 0 | EP-0689756-\$.did. | USPAT; | 2004/01/09 |
| | | | EPO | 12:42 |
| 1_ | 0 | EP-B0689756-\$.did. | USPAT; | 2004/01/09 |
| - | | EF-B0009730-7.414. | | l ' ' |
| | | | EPO | 12:43 |
| - | 0 | EP-B0689756-\$.did. | USPAT; | 2004/01/09 |
| | | | EPO; JPO; | 12:43 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | l 0 | EP-0689756-\$.did. | USPAT; | 2004/01/09 |
| | | 21 0003,00 4.0120. | EPO; JPO; | 12:43 |
| | | | | |
| | | l . | DERWENT; | |
| | _ | | IBM_TDB | 0004/01/00 |
| - | 2 | EP-689756-\$.did. | USPAT; | 2004/01/09 |
| | | | EPO; JPO; | 12:43 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 49 | (381/1,17,18,310).ccls. and (combin\$3) | USPAT; | 2004/01/09 |
| | 1 | near3 (stereo) | EPO; JPO | 12:57 |
| | 20 | | · | |
| - | 26 | | USPAT; | 2004/01/09 |
| | | near3 (stereo) same left same right | EPO; JPO | 12:57 |
|] - | 1 | ("5943427").PN. | USPAT | 2004/06/28 |
| | | | | 13:59 |
| - | 19 | (381/1,17,18,310).ccls. and (distance | USPAT; | 2004/06/28 |
| | | same gain) and ea\$2 | US-PGPUB; | 14:06 |
| | | | EPO; JPO | |
| 1_ | 0 | (381/1,17,18,310).ccls. and (distance | · · | 2004/06/29 |
| _ | | | USPAT; | 2004/06/28 |
| | 1 | near8 gain) near8 ea\$2 | US-PGPUB; | 14:07 |
| | | | EPO; JPO | |
| - | 114 | (381/1,17,18,310).ccls. and (distance and | USPAT; | 2004/06/28 |
| | | gain) and ea\$2 | US-PGPUB; | 14:07 |
| 1 | | [* · · · · · · · · · · · · · · · · · · | EPO; JPO | |
| 1_ | | /381/1 17 18 310\ cala and /look-un | | 2004/06/20 |
|] - |] | (381/1,17,18,310).ccls. and (look-up | USPAT; | 2004/06/28 |
| 1 | _ | near2 table) and gain and distance | EPO; JPO | 14:15 |
| - | 6 | (381/1,17,18,310).ccls. and (look-up | USPAT; | 2004/06/28 |
| 1 | 1 | near2 table) and gain and distance | US-PGPUB; | 14:44 |
| | l . | | EPO; JPO |] |
| L | | 1 | , | l |

| - | 1 | ("3969588").PN. | USPAT | 2004/06/28 14:44 |
|---|-----|---|---------------------------------|---------------------|
| - | 0 | "central research".AS. and distance same gain same inverse | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 15:34 |
| - | 0 | "central".AS. and distance same gain same inverse | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 15:34 |
| - | 4 | "central research".AS. and distance and gain and inverse | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 15:37 |
| - | 5 | ("5438623" "5644640" "5822438" "5917916" "6243476").PN. | USPAT | 2004/06/29 15:37 |
| - | 0 | "sibbald".AS. and distance and gain and inverse | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 |
| - | 3 | "sibbald".in. and distance and gain and inverse | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:11 |
| _ | 0 | 6643375.URPN. | USPAT | 2004/06/29 15:38 |
| - | 15 | ("1855149" "3236949" "3943293" "4097689" "4149036" "4192969" "4209665" "4219696" "4349698" "4975954" "4980914" "5128886" "5136651" "5440639" "5715317").PN. | USPAT | 2004/06/29 15:38 |
| - | 582 | (inverse near2 squar\$1) same intensity | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:12 |
| - | 269 | (inverse near squar\$1 near law) same intensity | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:12 |
| - | 152 | (inverse near squar\$1 near law) same intensity and cu\$2 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:14 |
| - | 60 | (inverse near squar\$1 near law) same sound | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:17 |
| - | 125 | (inverse near squar\$1 near law) and sound | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:30 |
| - | 59 | (inverse near squar\$1 near law) and sound and ea\$2 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 16:39 |
| - | 5 | ("5369710" "5371799" "5440639" "5485514" "5812674").PN. | USPAT | 2004/06/29 16:33 |
| - | 5 | (inverse near squar\$1 near law) same ear | USPAT; US-PGPUB; EPO; JPO | 2004/07/06 |
| - | 0 | (inverse near squar\$1 near law) same headpho\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:08 |
| _ | 0 | (inverse near squar\$1 near law) near5 headpho\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:08 |
| - | 14 | (inverse near squar\$1 near law) and headpho\$3 | USPAT; US-PGPUB; EPO; JPO | 2004/06/29 17:08 |
| - | 5 | ("5369710" "5371799" "5440639" "5485514" "5812674").PN. | USPAT | 2004/06/29 17:09 |
| - | 11 | sibbald.in. and gain | USPAT; EPO; JPO; DERWENT | 2004/06/30 13:09 |
| - | 0 | 5751815.URPN. | USPAT | 2004/06/30 13:10 |
| - | 27 | (381/1,17,18,310).ccls. and (distance same gain) | USPAT; US-PGPUB; EPO; JPO | 2004/07/06 09:24 |
| - | 7 | 3969588.URPN. | USPAT | 2004/07/02 08:57 |

| - | 28 | (381/1,17,18,310).ccls. and (interaural | USPAT; | 2004/07/06 |
|---|----|---|-----------|------------|
| | | adj2 time adj2 difference) | US-PGPUB; | 09:26 |
| | | | EPO; JPO | |
| _ | 60 | (inverse near squar\$1 near law) same | USPAT; | 2004/07/06 |
| | | sound | US-PGPUB; | 10:46 |
| | | | EPO; JPO | |
| _ | 1 | ("6009178").PN. | USPAT | 2004/07/06 |
| | | | | 10:46 |
| - | 1 | ("5666425").PN. | USPAT | 2004/07/06 |
| | | | | 16:01 |